Date:

Thursday, 2/9/2006 1:46:27 PM

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 25762

Estimate Number

: 11127

P.O. Number This Issue

:NA

: 2/9/2006

S.O. No. : NIA

Prsht Rev. First Issue

Previous Run

: NIA : NIA

: MACHINED PARTS Type

Written By

Checked & Approved By Comment

KJ/RF Reformat

Drawing Name

: LUG AND BRACKET

Part Number

: D301615

Drawing Number Project Number : D3016 REV A : N/A

Drawing Revision Material

:NIA

Due Date

: 2/15/2006

Qty:

10 Um:

Each

Additional Product

Job Number:

141



Seq. #:

Machine Or Operation:

Description:

1.0

M4130NS049

4130 Sheet .049 wall

Comment: Qty.:

0.0510 sf(s)/Unit Total:

0.5103 sf(s)

4130 Sheet .049 wall

Material: AISI 4130N Sheet, 0.049" thick

(M4130N-S049) Identify for D3016-15

2.0

SHEAR



Comment: SHEAR

Cut blanks: 2.580" x 2.580" (+0.010/-0.000)

F. 06/02/26 16

3.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Machine D3016-15 as per Folio FA162 and Dwg D3016

Use Stack of 8

Identify as D3016-15

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

5.0

QC8

SECOND CHECK

Comment: SECOND CHECK

10

Dart Aerospace Ltd

W/O:		• .	WC	RK ORDER CHANG	ES	· · · · · · · · · · · · · · · · · · ·		
DATE	STEP	PR	OCEDURE CHAI		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cateç	gory:	•			6/62/27
NOD.			WORK ORDE	ER NON-CONFORMA		C Closed:	Date: _	
NCR:			· · · · · · · · · · · · · · · · · · ·	Corrective Action Section	•	,		
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
					:			
								<i>*</i>
								:

NOTE: Date & initial all entries

Thursday, 2/9/2006 1:46:28 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: LUG AND BRACKET Customer: CU-DAR001 Dart Helicopters Services Part Number: D301615 Job Number: 25762 Job Number: Description: Seq. #: **Machine Or Operation:** INSPECT WORK TO CURRENT STEP QC5 6.0 Comment: INSPECT WORK TO CURRENT STEP SC PACKAGING RESOURCE #1 7.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and bag with light oil (Vactra oil #2), then Stock DAVID SUNDENT DOCUMENT CONTROL DC 8.0

Comment: DOCUMENT CONTROL
Inspection Level 21

U 06.02-27

16

Job Completion

Dart Aerospace Ltd

W/O:			WC	ORK ORDER CHAN	GES					
DATE	STEP	PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						,				
Part No	:	PAR #:	Fault Cate	gory:	NCF	R: Yes I	No DQ	A :	_ Date: _	
						QA: N/	C Close	d:	_ Date: _	
NCR:			WORK ORDI	ER NON-CONFORM	IANCE	(NCR				-
DATE	STEP	Description of NC			ction B	0:	Verific	ation	Approval	Approval
DAIL	OIL!	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
								:		
	:									
					1				1	

NOTE: Date & initial all entries





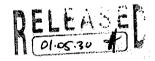
				and the second s	the state of the s
-	DESIGN	a	DRAWN BY	DART AEROSPA HAWKESBURY, ONTARIO	ACE LTD
	CHECK	ED	APPROVED	DRAWING NO.	REV. A
-	CHECK	4	A	D3016	SHEET 1 OF 3
-	DATE			TITLE	SCALE
	01.0	5.18		SEAT FRAME ASSEMBLY	NTS
*****	Α		01.05.18	NEW ISSUE	

QTY	PART NUMBER	DESCRIPTION	MATERIAL
Х	D3016-041	SEAT FRAME ASSEMBLY	N/A
1	D3016-1	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
2	D3016-3	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
1	D3016-5	TUBE	AISI 4130N TUBE, Ø0.50 DIA x 0.049 WALL (M4130N-T0500W049)
2	D3016-7	TUBE	AISI 4130N TUBE, Ø0.50 DIA x 0.049 WALL (M4130N-T0500W049)
1	D3016-9	SADDLE	AISI 4130N TÜBE, Ø1.00 DIA x 0.120 WALL (M4130N-T1000W120)
1	D3016-11	SADDLE	AISI 4130N TUBE, Ø1.00 DIA x 0.120 WALL (M4130N-T1000W120)
1	D3016-13	BRACKET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
1	D3016-15	GUSSET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
1	D3016-17	GUSSET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
2	D3020-1	FITTING	N/A

NOTES

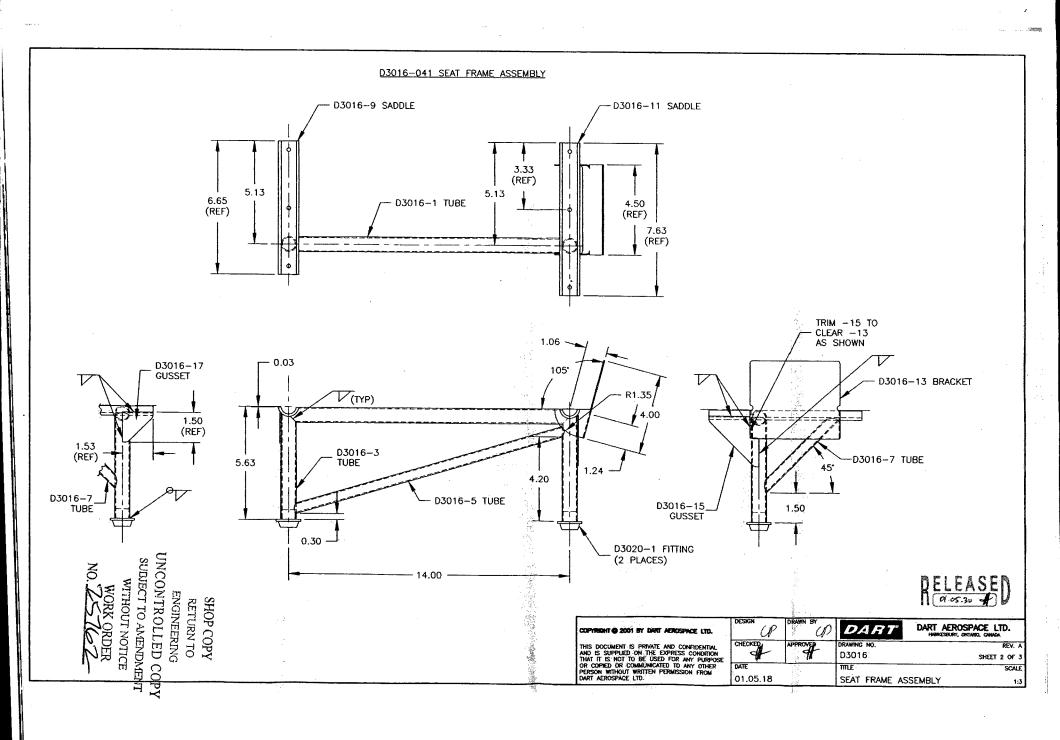
- 1) WELD PER DART QSI 004
- 2) ON SHEET METAL PARTS, BREAK ALL UNMARKED CORNERS 0.020-0.040
- 3) FINISH: POWDER COAT GREY SANDTEX (REF. 4.3.5.6) PER DART QSI 005 4.3
- ALL DIMENSIONS ARE IN INCHES
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

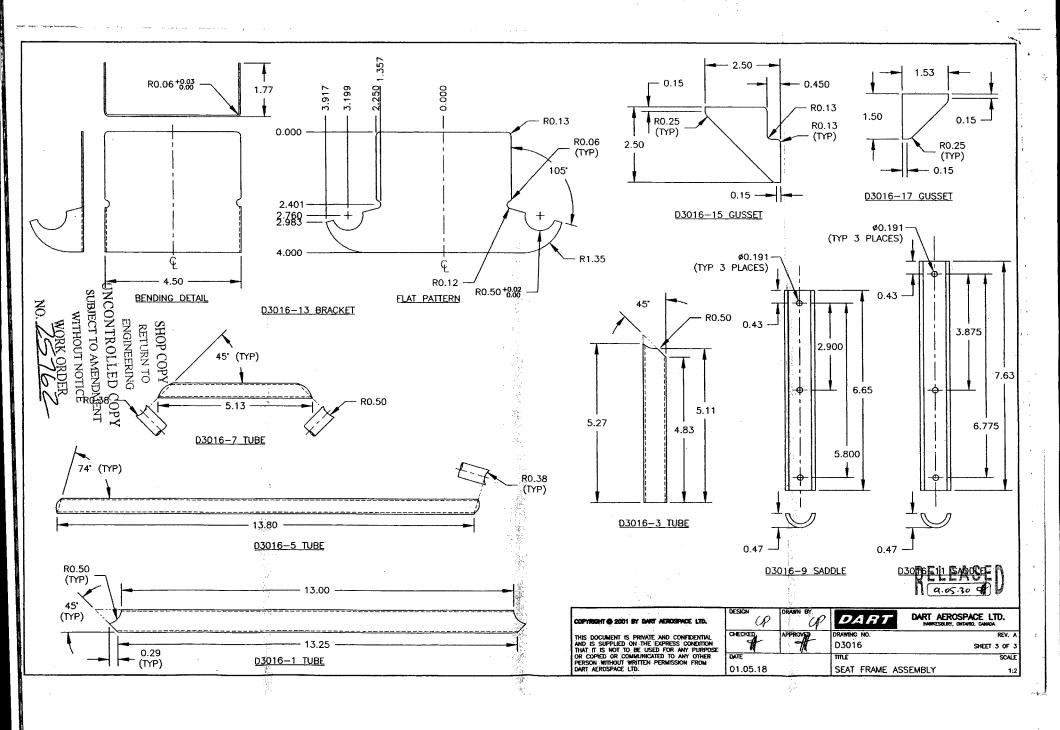
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DART AEROS	SPACE LTD				Work Order:	25762
Description:					Part Number:	D30/6-REVA
Inspection Dwg	: Rev:		1			Page 1 of 1
	FIRST	ARTICLE IN	SPECTION		CVLICT	
		First Artic	r	Prote		
Drawing Dimension	Toleraņce	Actual Dimension	Accept	Reject	Method of Inspection	Comments
a,50 '	+/-,030"	,150"				
0,150"	1/- ,030"	2,497"				
RO 3 50° 2,50°	- 1 /- ,030" - 1/- ,030"	30, 250°				
0,150"	1/- 1030"	,150"				
RO, 130	⁺ /- ,030"	BO, 130"				
40,130"	RO+/-,030	RO 130				
,450	7-,010"	,453"	*	25		
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Measured by:		ıdited by: 5				

Weasi	red by:	J+:	Audited by:	J.G.	Prototype Approva	al: Y	JA
·· .	Date:	06/02/26	Date:	06/02/26	Dat	e: /	I/A·
Rev	Date	Change			Revis	ed by	Approved
AL		New Issue			KJ/RF	<u> </u>	Approved

-5/04

DART AEROSPACE LTD	Work Order:	22066
Description: Lug and Bracket	Part Number:	D3016-13/-15/-17
		D3017-7
Dwg: D3016 Rev. A; D3017 Rev. A page 1	Qty:	Zo & Kits
		Page 1 of 2

Step		Procedure	Ву	Date	Qty
1	DC	Issue Traveler	11	Date	Giy
		To be made in multiples of 8.	1934	04.12.08	2
2	MV	Cut blanks: 1.53" x 1.50" (+/-0.010)	1.0		†
		Material: AISI 4130N Sheet, 0.049" thick			
		(M4130N-S049)			
		(M4130N-S049) Identify for D3016-17 Batch: 10443	XPL	05-0H8	20
3	MV	Cut blanks: 7.90" x 4.070" (+/-0.010)	77	1 30	
		Material: AISL4130N Sheet, 0.049" thick	.		
		(M4130N-S049)	NI	1	
	100	Identify for D3016-13 Batch:	1		
4	MV	Cut blanks: 2.580" x 2.580" (+0.010/-0.000)			
		Material: AIST 4130N Sheet, 0.049" thick		1.	
		(M4130N-S049)	$\mid \mathcal{N}$	1/L	ĺ
5	MV	Identify for D3016-15 Batch:		() 7	A
J	1010	Cut (12) D3017-7 blanks per 8 Kits			,
		Cut blanks: 4.290" x 3.180" (+/-0.010) Material: AISI 4130N Sheet, 0.049" thick		111/1 1	
		(M4130N-S049)		41/4 1	
	İ	lit us s =====	ĺ	'	.]
6	MV	Machine D3016-15 as per Folio FA162 and Dwg D3016	<u> </u>		
-		Use Stack of 8		11/2 1	
	į	Identify as D3016-15	10	[]0	l
7	QC2	Inspect parts as they come off the CNC machine		\	
		mepost paints as they some on the GIVO machine			
: 8	MV	Deburr			
					1
9	QC5	Second check		-	
10	M∨	Machine D3016-13 as per Folio FA162 and Dwg D3016			
		Use Stack of 8			
		Identify as D3016-13			
11	QC2	Inspect parts as they come off the CNC machine			
40	107				
12	MV	Deburr			
40	005				
13	QC5	Second check	,		
14	MV	Machine D2047 7 and 5 II 54400	$A \rightarrow$		
14	IVIV	Machine D3017-7 as per Folio FA163 and Dwg D3017 Use Stack of 6	+		ĺ
		\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\)		٠
15	QC2	Identify as D3017-7			
	QCZ	Inspect parts as they come off the CNC machine			
16	MV	Deburr			
.	,	Sobuli	İ	<u> </u>	-
17	QC5	Second check			
٠. ا					
- 1		Grind D3016 17 radius as not Day D2019			 /
18	GA I	Child Dath 16-17 (Athlis as her) with trans			
18	GA	Grind D3016-17 radius as per Dwg D3016		25.03.00	200
18		Identify as D3016-17 Deburr	2	05-03.01	20

DART AEROSPACE LTD	Work Order:	22066
Description: Lug and Bracket	Part Number:	D3016-13/-15/-17
		D3017-7
Dwg: D3016 Rev. A; D3017 Rev. A page 1	Qty:	Z Kits
		Page 2 of 2

Step	Location	Procedure	By	Date	Qty
20	QC5	Inspect work to Step 19	M	05/36,	20
21	GB	Form D3017-7 as per Dwg D3017 and D3016-13 as per Dwg D3016			/
22	QC5	Inspect work to Step 21		//	
23	GA	Identify and bag with light oil (Vactra oil No. 2) D8076-33 Otyn D3016-15 Oty: D301777 Oty:	W	05/03/01	20
24	AC	Parts to Stock and prorate cost of parts per Step 23 Cost / part / , & Z	545	05.63.0/	20
25	DC	Close W/O / , & Z Inspect Level 21	A)	05,03.02	20

Rev	Date	Change	Revised By	Approved
Α	01.09.11	New issue	EC .	1
В	03.05.09	Reformat	KJ/RF	#

